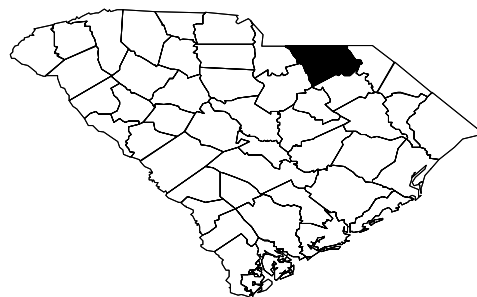




Diabetes In Chesterfield County, 2005



Produced by the South Carolina Department of Health and Environmental Control

Impact of Diabetes in the United States

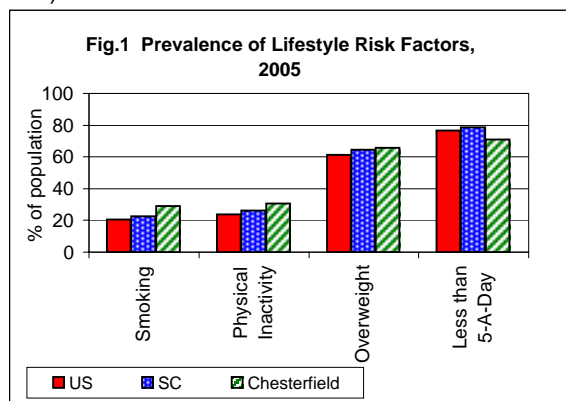
- Diabetes affects more than 23 million Americans and contributes to almost 234,000 deaths a year.
- Diabetes is becoming more common in the United States. From 1980 through 2007, the number of Americans with diabetes increased from 5.6 million to 17.9 million
- The direct and indirect costs of diabetes in the U.S. were nearly \$174 billion in 2007.
- 72,507 people died of diabetes in the U.S. in 2006.

Diabetes in South Carolina

- Approximately 332,000 adults in South Carolinians are diagnosed with diabetes. African Americans have twice the prevalence than Whites.
- The total direct costs of hospitalizations and emergency room visits were over \$8.5 billion in 2005.
- Diabetes is the seventh leading cause of death in South Carolina, claiming 1,183 lives in 2005.

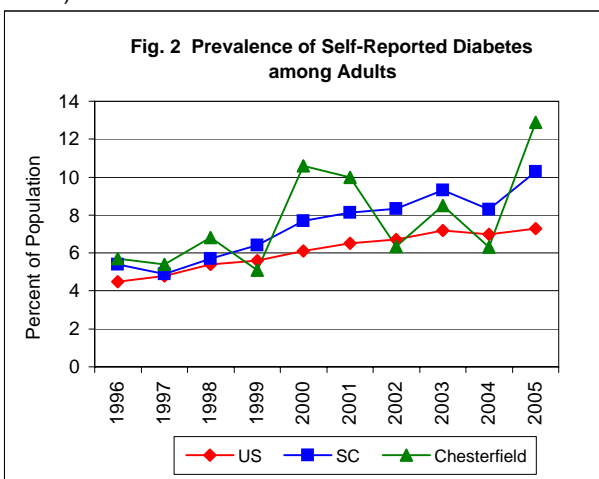
Behavioral Risk Factors

- Major behavioral risk factors, such as overweight, physical inactivity and unhealthy diet, are partially responsible for development of type 2 diabetes (Fig 1).



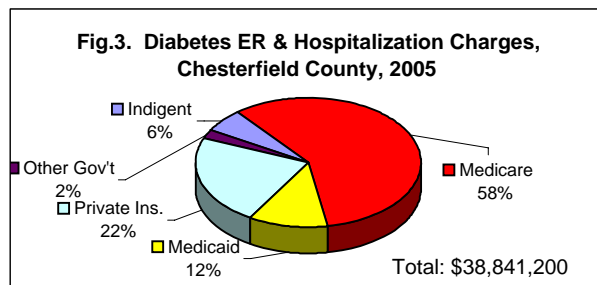
Diabetes Prevalence

- An estimated 4232 adults (12.9% of adults) in Chesterfield County suffer annually from Diabetes (Fig 2).



Hospital and Emergency Room Discharges

- In 2005, there were 81 hospitalizations for Diabetes in Chesterfield County for all ages.
- There were an additional 1037 hospital discharges with diabetes-related conditions in Chesterfield County.
- In 2005, there were 96 emergency room (ER) visits for diabetes as the primary diagnosis, among which 64 (67%) were by African-American patients.
- There were 742 ER visits for diabetes as a related condition.



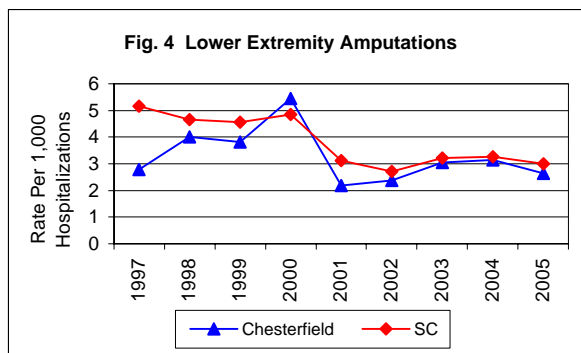
- Medicare paid for 58% of the ER and Hospitalization charges in Chesterfield County (Fig 3).

Complications

- Almost all patients (97%) hospitalized in SC for diabetes had complications in 2005; 24% of hospitalizations in Chesterfield County (Table 1).
- In 2005, nearly three-quarters of people in SC with diabetes had hypertension, compared with only one-fourth of people without diabetes.

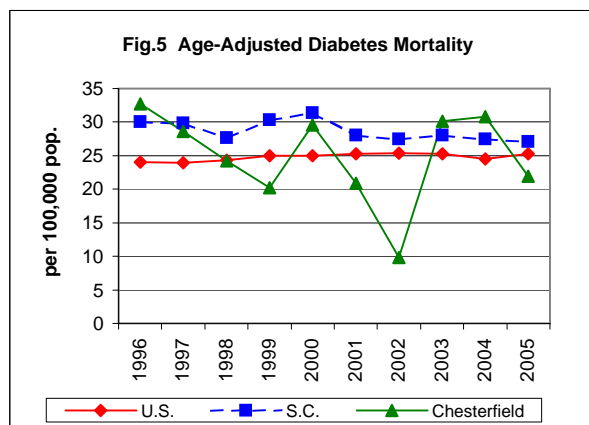
Table 1. Hospitalizations for Diabetes Complications in Abbeville County in 2005.			
Diabetes Complication	Hospital Admissions	Percent of Diabetes Hospital Admissions	Total costs
Renal Failure	202	18%	\$4,881,600
Lower Extremity Amputation	14	1%	\$642,600
Keto-acidosis	26	2%	\$485,600
Retinopathy	27	2%	\$700,900

- In 2005, more than 60% of people with diabetes have high cholesterol.
- In 2005, the rates for lower extremity amputations among blacks in SC were four times the rates among whites.

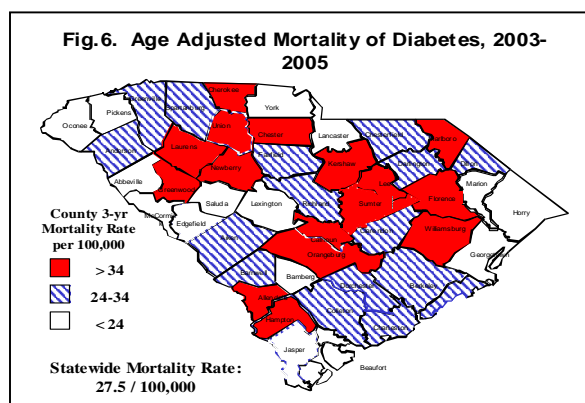


Mortality

- Diabetes is the seventh leading cause of death in Chesterfield County.
- A total of 10 people in Chesterfield County died from diabetes in 2005.



- The Chesterfield County mortality rate was 21.9/100,000 in 2005, below the state average.
- Chesterfield County ranks #24 in diabetes mortality in South Carolina 2003-2005.



For More Information about diabetes contact:

Division of Diabetes Prevention and Control
DHEC Bureau of Community Health and Chronic Disease Prevention
<http://www.dhec.sc.gov/health/chcdp/diabetes/index.htm>
(803) 545-4471

Diabetes Initiative of South Carolina
<http://www.musc.edu/diabetes/>



Generated by: Office of Chronic Disease Epidemiology, Bureau of Community Health and Chronic Disease Prevention

http://www.scdhec.gov/hs/epidata/state_reports.htm

Data Sources:

For more details, please view the Technical Document below
www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf

Hospital Discharges and ER Visits, contact:

Office of Research and Statistics SC
Budget and Control Board
(803) 898-9958

